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Biocontrol from *Rosmarinus officinalis* extracts against pathogen fungi

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Abstract

Rosmarinus officinalis is widely used for his anti-microbial activities .To this aim aqueous methanolic and methanolic sonicated extracts of these plant were tested in *vitro* against deferent pathogenic strains: *Fusarium oxysporum*, *Fusarium verticillioides*, *Fusarium gramanirum*, *Fusarium sp*, *penicillium sp*, *Alternaria sp*, *Colletotrichum sp*;, by the contact bioassay method using a 1 mg / ml concentration of each extract. The two methanolic and methanolic extracts sonicated reduced mycelial growth with an inhibition rate which varied from 36 to 90% for the methanol extract and 50 to 90% for the methanolic extract sonicated. On the other hand, the aqueous extract exerted a weak activity with an inhibition rate of 20 to 48%. From the perspective of the results obtained, the two methanolic and methanolic extracts sonicated can be used as biocontrols to protect from fungal diseases.

Key words:*Rosmarinus officinalis*, extract, strain, activity, biocontrol.

1. Conflict of intereststatement

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2. Authors' biography

No Biography

3. References

No references